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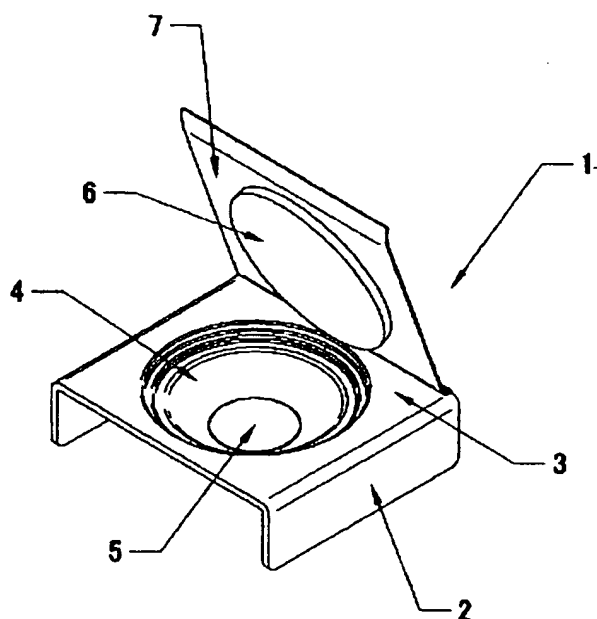
Fターム(参考) 2H006 CA00

(54)【発明の名称】 コンタクトレンズ用のプリスターケース

(57)【要約】

【構成】 この発明はコンタクトレンズを保存するためのケースであって、(a)コンタクトレンズおよび該コンタクトレンズを保存するための溶液を受容することができるくぼみを有し、その周辺に外側に延伸するフランジを含む容器本体、(b)該くぼみの開口端部周囲に当接して、くぼみを覆蓋する樹脂製のカバー、(c)該容器に取り外せるように取り付けられ、くぼみを前記カバーの上から密封し実質的に液体を透過しない封止シート、から構成されることを特徴とする。

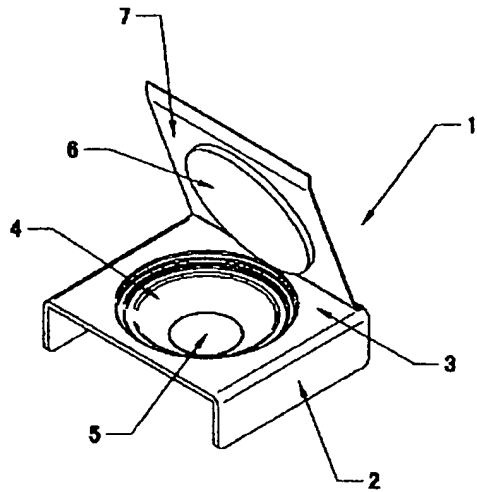
【効果】 本発明に係わるコンタクトレンズ用のプリスターケースによれば、レンズ収納部の封止シート表面を平坦な状態にし、強度的にも向上させることができるプリスターケースを提供することができる。したがって、外観上均一な状態のケースを再現性よく製造することができ、また流過程などの衝撃からの封止シートの破損防止によって、密閉状態(無菌状態)が確保される。さらには、プリスターケースを開封後も、レンズの保存容器として継続使用ができる。



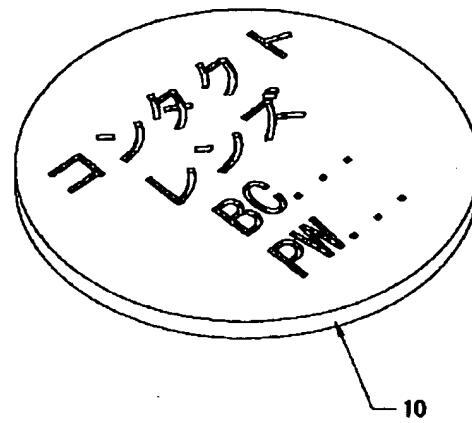
- 4 くぼみ
5 コンタクトレンズ

- 6 カバー
7 封止シート

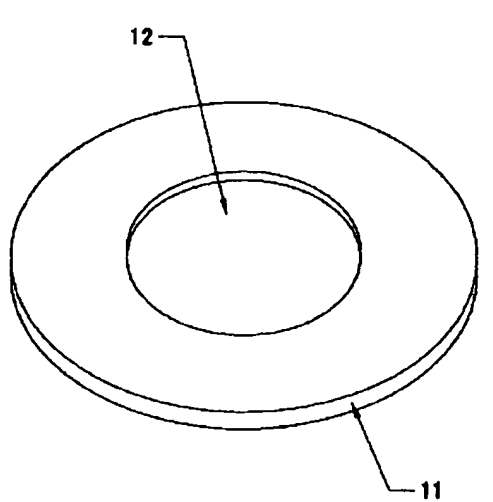
【図1】



【図2】



【図3】



Patent No.P2001-255499

Application No. 2000-68154

Date of application: 13 March 2000

Applicant: Tomei Ltd., Co

Inventor: Makoto Nakagawa

Name of the invention: Blister case for contact lens

Summary

Composition: This blister case for contact lens are composed of

- a) The main body that has a depression to maintain contact lens and its care solution in it and extending fringes around the depression.
- b) The resinous cover which has projection to attach onto the edge of depression.
- c) Removal sheet to seal up the blister case and the cover to prevent leak of contents (liquid).

Effect: This design allow to

- Improve the intensity of the package by having flat seal structure
- Stability of packages appearance in manufacturing process
- Keep the sterilized condition by preventing the case from damage in the distributing process.
- Use unsealed blister case as a lens case.

Details of the technology

- (01) Area of technology: This invention is categorized in the packaging and container for the contact lens. Particularly on the blister case to keep soft contact lens soaked in sterilized contact lens solution.
- (02) (Explanation on bottle or bin package for conventional soft contact lens and its problems.)
- (03) (Explanation on current blister pack and its problems.)
- (04) Task which this technology intends to solve: This invention aim to provide blister case to keep soft contact lens in the sterilized solution, which has high intensity by using flat sealing structure.
- (05) To accomplish above task, this blister case has features as below.
As a container for contact lens,
 - a) The main body is a blister case, which has a depression to

maintain care solution in it and extending fringes around the depression.

- b) The resinous cover has projection and its edge attaches onto the depression of the blister case.
- c) Removal sheet seals up whole blister case and cover to prevent leak of contents (liquid).

- (06) In this invention, the blister case and resin cover are sealed up by sheet and its makes container surface flat, which is beneficial for appearance and intensity.
- (07) In general, this blister case will be made by injection molding or heat pressing molding, and composed of thermoplastic resin such as polypropylene, polyethylene, ethylene vinyl acetate, polystyrene, or nylon.
- (08) The main feature of this invention is to have resin cover with projection which edge will touch to the gradation part of blister depression. For the conventional packaging, sheet surface can be wavy or bumpy because of heat at autoclaving. But with this design, the resin cover will restrain the sheet surface from these changes. This resin cover can be made of same or different material with the blister case. Thermoplastic resin from polyolefin family such as polypropylene and polyethylene can be suitable.
- (09) After contact lens and its solution will be placed in depression of the blister case, put a resin cover above and seal up by the sheet. The edge of the sheet will be heat sealed onto the fringe of the blister case. Since this film sheet will also be bonded onto the resin cover, blister case will be opened when the sheet was peeled off. The sheet need to be flexible, layer of plastic film such as polypropylene, laminated aluminum foil, oxidized Silicon and so on. This invention assure to have better appearance of the package surface since the sheet will not have waves by autoclaving because it stabilized by the resin cover.
- (10) This design is effective to reduce damage in the distributing process. Compare to conventional blister pack, which was damaged easily by having hole on the sheet, this resin cover decrease this damage. Also even when the sheet surface was damaged, the resin cover can reserve contents out of air.

Explanation about drawings (For drawings, please refer to the original document.)

1. Blister case
2. Side stands
3. Fringe part
4. Depression
5. Contact lens (and saline water)
6. Resin cover
7. Sheet (film)
10. One example of the resin cover with indications
11. One example of the perforated resin cover
12. Hole to inject saline water

End